

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	"758478".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 15:44
S2	2	"758478".apn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 15:55
S3	2	((organic with (LED or "light-emitting" or "light emitting")) or OLED) and ((precipitation near (agent or solution or layer)) same ("propylene carbonate" or "benzyl alcohol" or dioxane or "dicationic salt"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 15:54
S4	1275	((organic with (LED or "light-emitting" or "light emitting")) or OLED) and ((precipitation near (agent or solution or layer)) or ("propylene carbonate" or "benzyl alcohol" or dioxane or "dicationic salt"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 19:09
S5	636	S4 and (organic with polymer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 16:42
S6	393	S5 and @ad < "20040114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 16:43
S7	73	S6 and (organic with (flat or uniform))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 16:43

## EAST Search History

S8	5537	((organic with (LED or "light-emitting" or "light emitting")) or OLED) and (((spin near coat\$3) or spin\$1coat\$3)((wetting near (agent or solution or layer)) or ("propylene carbonate" or "benzyl alcohol" or "dicationic salt"))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:18
S9	3	((organic with (LED or "light-emitting" or "light emitting")) or OLED) and (((spin near coat\$3) or spin\$1coat\$3) with ((wetting near (agent or solution or layer)) or ("propylene carbonate" or "benzyl alcohol" or "dicationic salt"))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:21
S10	7	((organic with (LED or "light-emitting" or "light emitting")) or OLED) and (((wetting near (agent or solution or layer)) same ("propylene carbonate" or "benzyl alcohol" or "dicationic salt" or "calcium chloride" or "magnesium sulfate"))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:34
S11	6	((organic with (LED or "light-emitting" or "light emitting")) or OLED) and (((hydrophilic) same ("propylene carbonate" or "benzyl alcohol" or "dicationic salt" or "calcium chloride" or "magnesium sulfate"))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:38
S12	2	("20020023565"   "4725513").PN. OR ("6878470").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 16:35
S13	15	((organic with (LED or "light-emitting" or "light emitting")) or OLED) and (((precursor) same ("propylene carbonate" or "benzyl alcohol" or "dicationic salt" or "calcium chloride" or "magnesium sulfate"))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 16:54
S14	30	((organic with (LED or "light-emitting" or "light emitting")) or OLED) and (((precursor) same (PEDOT or "propylene carbonate" or "benzyl alcohol" or "dicationic salt" or "calcium chloride" or "magnesium sulfate"))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 17:06

## EAST Search History

S15	0	((organic with (LED or "light-emitting" or "light emitting")) or OLED or (HTL and EL)) and (((precursor) same (PEDOT or "propylene carbonate" or "benzyl alcohol" or "dicationic salt" or "calcium chloride" or "magnesium sulfate")))) and (not S14)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 17:09
S16	40	((organic same (LED or "light-emitting" or "light emitting")) or OLED) and (precursor or "precipitation agent" or (wetting near (agent solution layer))) and PEDOT and polymer and HTL and EL	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 17:24
S17	22	(precursor or "precipitation agent" or (wetting near (agent solution layer))) and PEDOT and polymer and (HTL same EL) and organic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 17:25
S18	41	(precursor or "precipitation agent" or (wetting near (agent solution layer))) and PEDOT and polymer and (HTL and EL) and organic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 17:25
S19	110	((organic with (LED or "light-emitting" or "light emitting")) or OLED) and ((precursor or wetting or precipitation) with (flat\$3 or uniform))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/19 15:07
S20	63	S19 and @ad < "20040114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/19 17:27
S21	273	((organic with (electronic or LED or "light-emitting" or "light emitting")) or OLED) and (precursor or wetting or precipitation) and (organic with (drying or dried or dry)) and (organic with (flat or uniform))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/19 17:26
S22	200	S21 and @ad < "20040114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/19 15:10

## EAST Search History

S23	158	S22 and (electrode or anode or cathode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/19 15:11
S24	177	((organic with (electronic or LED or "light-emitting" or "light emitting")) or OLED) and (precipitation or wetting or capillary) and (organic with (drying or dried or dry)) and (organic with (flat or uniform))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 09:53
S25	128	S24 and @ad < "20040114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/19 17:27
S26	101	((organic with (electronic or LED or "light-emitting" or "light emitting")) or OLED) and (surfactant or (surface near active near agent)) and (organic with (drying or dried or dry)) and (organic with (flat or uniform))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 15:48
S28	65	S26 and @ad < "20040114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 09:57

## EAST Search History

S29	27	(US-20050023961-\$ or US-20040194691-\$ or US-20040101988-\$ or US-20040094768-\$ or US-20040061121-\$ or US-20030117794-\$ or US-20040164293-\$ or US-20040178724-\$ or US-20040144975-\$ or US-20040201048-\$ or US-20040129921-\$ or US-20030230967-\$ or US-20060076048-\$ or US-20050268962-\$ or US-20050159581-\$ or US-20040151944-\$ or US-20040067387-\$ or US-20030161959-\$ or US-20040075383-\$ or US-20030176005-\$).did. or (US-6993214-\$ or US-6985275-\$ or US-6712661-\$ or US-6605823-\$ or US-6982436-\$ or US-6878470-\$ or US-7015503-\$).did.	US-PGPUB; USPAT	OR	ON	2006/06/20 12:36
S30	25	S29 and ((spin near coat\$3) or (spin near on))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 12:36
S31	4	"758478".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 14:59
S32	5	"758478".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 14:59
S33	6	((organic with (electronic or LED or "light-emitting" or "light emitting")) or OLED) and ((surfactant or (surface near active near agent)) same ("propylene carbonate" or "benzyl alcohol" or "dicationic salt" or dioxane or "magnesium sulfate" or "calcium chloride")) and ((organic or HTL) with (flat or uniform))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 19:48

## EAST Search History

S34	76	((organic with (electronic or LED or "light-emitting" or "light emitting")) or OLED) and ((surfactant or (surface near active near agent)) same ("propylene carbonate" or "benzyl alcohol" or "dicationic salt" or dioxane or "magnesium sulfate" or "calcium chloride"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 15:56
S35	2	S34 and (electrode and bank)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 15:57
S36	26	S34 and (electrode or anode or cathode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 15:58
S37	9	S36 and uniform	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 15:58
S40	23	S29 and derivative	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 19:19
S41	293	((organic with (electronic or LED or "light-emitting" or "light emitting")) or OLED) and ("propylene carbonate" or "benzyl alcohol" or "dicationic salt" or dioxane or "magnesium sulfate" or "calcium chloride") and ((organic or HTL) with (flat or uniform)) and (electrode or anode or cathode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/20 19:49
S42	20	((organic with (electronic or LED or "light-emitting" or "light emitting")) or OLED) and ("propylene carbonate" or "benzyl alcohol" or "dicationic salt" or dioxane or "magnesium sulfate" or "calcium chloride") and ((organic or HTL) with (flat or uniform)) and ((electrode or anode or cathode) same bank)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 09:20

## EAST Search History

S43	26	("dicationic salt" or "dicationic salts")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 09:20
S44	32	(US-20050023961-\$ or US-20040194691-\$ or US-20040101988-\$ or US-20040094768-\$ or US-20040061121-\$ or US-20030117794-\$ or US-20040164293-\$ or US-20040178724-\$ or US-20040144975-\$ or US-20040201048-\$ or US-20040129921-\$ or US-20030230967-\$ or US-20060076048-\$ or US-20050268962-\$ or US-20050159581-\$ or US-20040151944-\$ or US-20040067387-\$ or US-20030161959-\$ or US-20040075383-\$ or US-20030176005-\$ or US-20030127974-\$ or US-20050151129-\$ or US-20050062065-\$ or US-20030038594-\$).did. or (US-6993214-\$ or US-6985275-\$ or US-6712661-\$ or US-6605823-\$ or US-6982436-\$ or US-6878470-\$ or US-7015503-\$ or US-6861091-\$). did.	US-PGPUB; USPAT	OR	ON	2006/06/21 09:35
S45	28	S44 and (magnesium sulfate calcium chloride carbonate salt)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 12:53
S46	14	257/e51.022.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 12:59
S47	2088	(257/40.ccls. or 438/82,99.ccls)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 13:00

## EAST Search History

S48	32	(US-20050023961-\$ or US-20040194691-\$ or US-20040101988-\$ or US-20040094768-\$ or US-20040061121-\$ or US-20030117794-\$ or US-20040164293-\$ or US-20040178724-\$ or US-20040144975-\$ or US-20040201048-\$ or US-20040129921-\$ or US-20030230967-\$ or US-20060076048-\$ or US-20050268962-\$ or US-20050159581-\$ or US-20040151944-\$ or US-20040067387-\$ or US-20030161959-\$ or US-20040075383-\$ or US-20030176005-\$ or US-20030127974-\$ or US-20050151129-\$ or US-20050062065-\$ or US-20030038594-\$).did. or (US-6993214-\$ or US-6985275-\$ or US-6712661-\$ or US-6605823-\$ or US-6982436-\$ or US-6878470-\$ or US-7015503-\$ or US-6861091-\$). did.	US-PGPUB; USPAT	OR	ON	2006/06/21 19:05
S49	7	S48 and dioxane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 19:08
S50	2088	(257/40.ccls. or 438/82,99.ccls)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 19:09
S51	181	S50 and ("propylene carbonate" or "benzyl alcohol" or dioxane or "dicationic salt")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 19:38
S52	24	S51 and (organic same uniform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 19:10



## EAST Search History

S53	302	S50 and (organic with (solar or photovolt\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 19:40
S54	58	S51 and (organic with (solar or photovolt\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 19:43
S55	93	S53 and uniform	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 19:53
S56	24	S53 and (organic with uniform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 20:14
S57	40	S53 and (layer with uniform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 20:15
S58	10	S48 and OLED	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 20:28
S59	2	S48 and (PPV and PVP)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 00:05
S60	2	(OLED and (photovolt\$3 or solar)) and (layer with uniform) and dioxane and (salt same (magnesium chloride sulfate calcium carbonate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 00:10

## EAST Search History

S61	17	(OLED and (photovolt\$3 or solar)) and ((layer or film) with uniform) and (salt same (magnesium chloride sulfate calcium carbonate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 00:37
S62	7	(OLED and (photovolt\$3 or solar)) and ((glycol or acetylene) same (propylene dioxane)) and (salt same (magnesium sulfate calcium carbonate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 00:51
S63	25	(OLED and (photovolt\$3 or solar)) and ((glycol or acetylene) same (magnesium sulfate calcium carbonate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 00:55
S64	0	(OLED and (photovolt\$3 or solar)) and ((polar near solvent) with (magnesium sulfate calcium carbonate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 00:56
S65	4	(OLED) and ((polar near solvent) with (magnesium sulfate calcium carbonate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 00:58
S66	248	(OLED) and ((solvent) with (magnesium sulfate calcium carbonate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 00:59
S67	52	(OLED and (photovolt\$4 or solar)) and ((solvent) with (magnesium sulfate calcium carbonate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 01:09
S68	34	(OLED and (photovolt\$4 or solar)) and ((solvent) with (magnesium Mg calcium Ca))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 03:13

## EAST Search History

S69	256	(OLED) and ((solvent) with (magnesium "MgSO.sub.4" or "Mg" calcium Ca))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 01:19
S70	32	(OLED) and ((solvent) with (magnesium "MgSO.sub.4" or "Mg" calcium Ca)) and ((layer or film) with uniform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 01:20
S71	21	(OLED) and ((solvent) with (magnesium "MgSO.sub.4" calcium Ca)) and ((layer or film) with uniform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 01:47
S72	36	(US-20050023961-\$ or US-20040194691-\$ or US-20040101988-\$ or US-20040094768-\$ or US-20040061121-\$ or US-20030117794-\$ or US-20040164293-\$ or US-20040178724-\$ or US-20040144975-\$ or US-20040201048-\$ or US-20040129921-\$ or US-20030230967-\$ or US-20060076048-\$ or US-20050268962-\$ or US-20050159581-\$ or US-20040151944-\$ or US-20040067387-\$ or US-20030161959-\$ or US-20040075383-\$ or US-20030176005-\$ or US-20030127974-\$ or US-20050151129-\$ or US-20050062065-\$ or US-20030038594-\$ or US-20050156163-\$).did. or (US-6993214-\$ or US-6985275-\$ or US-6712661-\$ or US-6605823-\$ or US-6982436-\$ or US-6878470-\$ or US-7015503-\$ or US-6861091-\$ or US-6706963-\$ or US-6452092-\$ or US-6316786-\$).did.	US-PGPUB; USPAT	OR	ON	2006/06/22 02:22

## EAST Search History

S73	7	S72 and (propylene near carbonate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 01:44
S74	9	S72 and dioxane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 01:44
S75	269	(OLED or (organic near (electronic or light or semiconductor))) and ((solvent) with (dioxane or (propenyl near carbonate))) and ((film or layer) with uniform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 01:49
S76	10	(OLED or (organic near (electronic or light or semiconductor))) and ((polar near solvent) with (dioxane or (propenyl near carbonate))) and ((film or layer) with uniform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 01:53
S77	138	(OLED or (organic near (electronic or light or semiconductor))) and ((solvent) same (glycol or acetylene or butanol or isopropyl) same (dioxane or (propylene near carbonate))) and ((film or layer) with uniform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 01:57
S78	12	S72 and (spin near coat\$3) and (dioxane or (propylene near carbonate))	US-PGPUB; USPAT	OR	ON	2006/06/22 02:23
S79	141	(OLED same (photovolt\$4 or solar)) and ((film or layer) with uniform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 03:14
S80	74	S79 and @ad < "20040114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 03:29